```c
        struct data *fi = (struct data*) Dulieu;
        while(i<fi->length)
        {
                if (strcmp(name,fi->filename)!=0)
{
        while((fi->value[i] <= result)&&(i<fi->length))
                i++;
        if(i<fi->length)
        {
                sem_wait(&sem);
                result=fi->value[i];
                strcpy(name,fi->filename);
                sem_post(&sem);
        }

}
else
{
        if(flag==1)
                i=fi->length;
}
if (i==fi->length)
        flag=1;


        }

}
```